

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_D\Data\VD101922\  
 Data File : VD074581.D  
 Acq On : 19 Oct 2022 16:17  
 Operator : VA/SY  
 Sample : VD1019SBL01  
 Misc : 5.00G/5.00ml/MSVOA\_D/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_D  
 ClientSampleId :  
 VD1019

Quant Time: Oct 20 06:45:16 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 20 06:41:20 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.875  | 168  | 93284    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.781  | 114  | 144446   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.581 | 117  | 130037   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.516 | 152  | 57125    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.234  | 65    | 34233    | 48.066   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 96.140%  |
| 35) Dibromofluoromethane    | 7.810  | 113   | 42075    | 52.633   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 105.260% |
| 50) Toluene-d8              | 10.269 | 98    | 141317   | 48.880   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 97.760%  |
| 62) 4-Bromofluorobenzene    | 12.575 | 95    | 41639    | 50.066   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 100.140% |

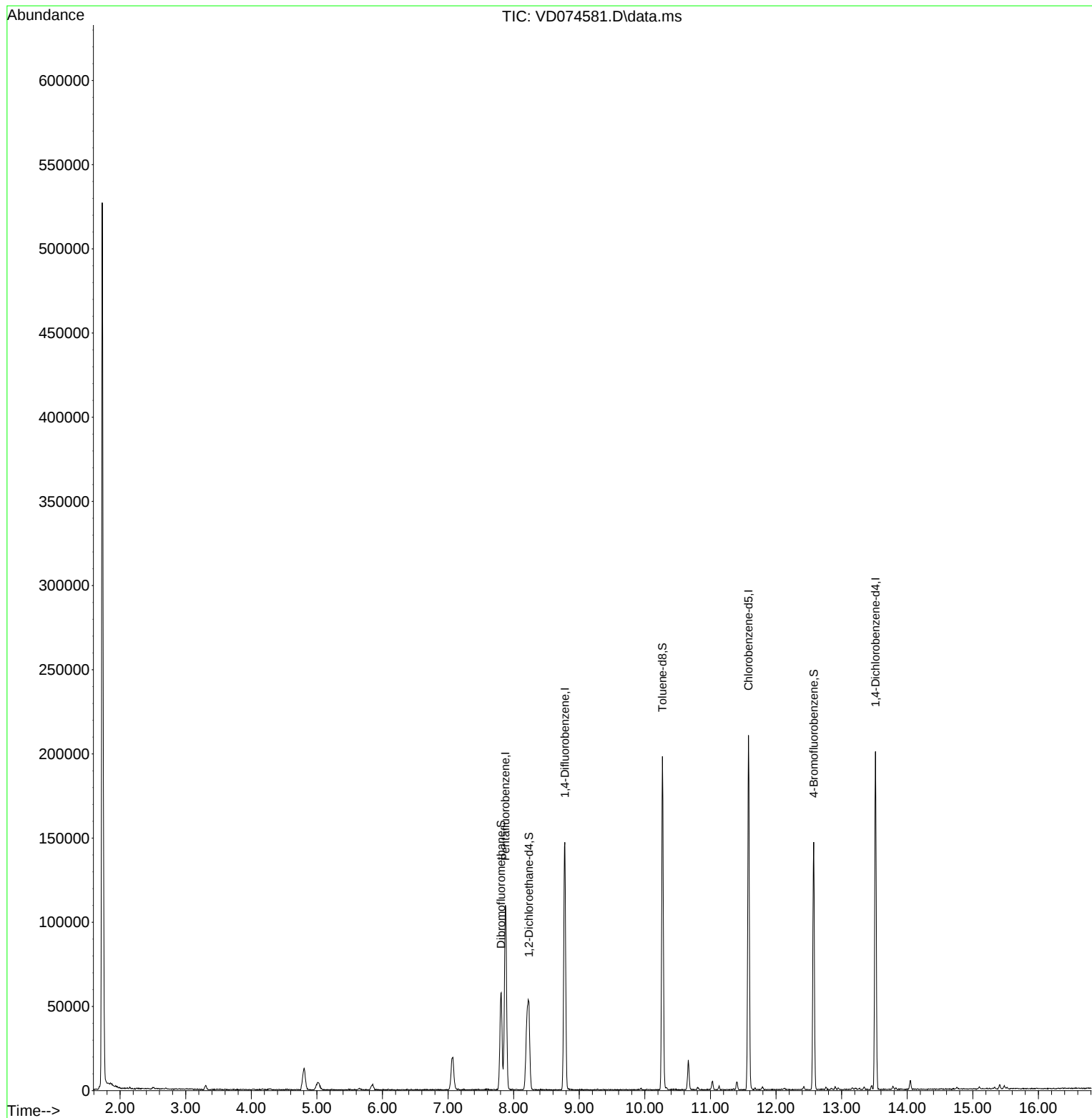
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

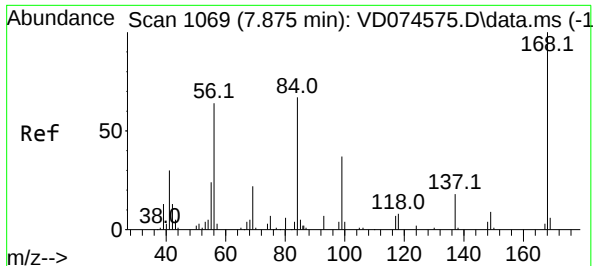
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1019

Quant Time: Oct 20 06:45:16 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_D\Method\82D101922S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 20 06:41:20 2022  
Response via : Initial Calibration

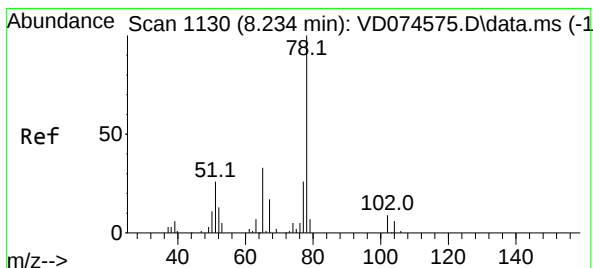
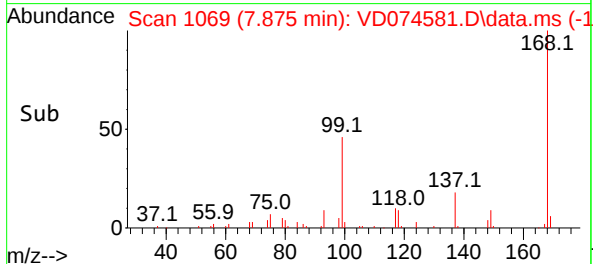
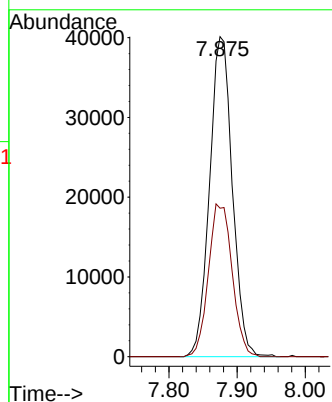
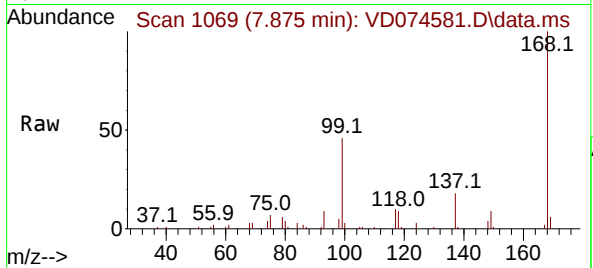




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.875 min Scan# 1069  
Delta R.T. -0.000 min  
Lab File: VD074581.D  
Acq: 19 Oct 2022 16:17

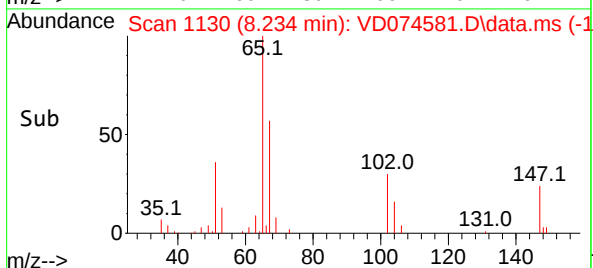
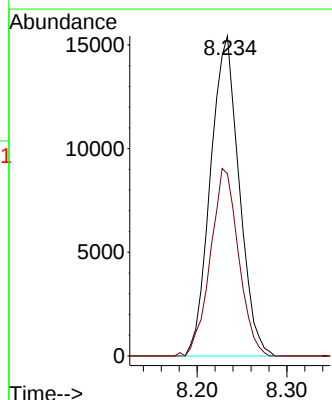
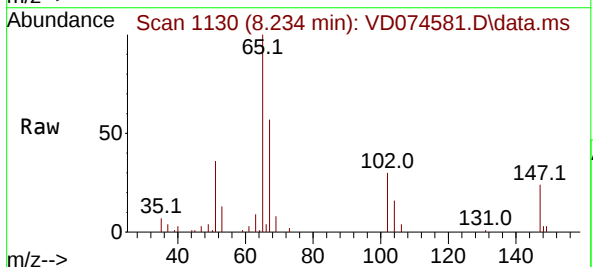
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1019

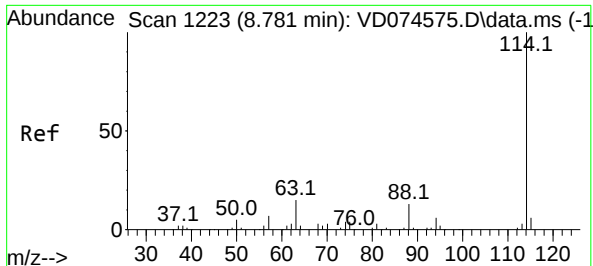
Tgt Ion:168 Resp: 93284  
Ion Ratio Lower Upper  
168 100  
99 46.4 40.9 61.3



#33  
1,2-Dichloroethane-d4  
Concen: 48.066 ug/l  
RT: 8.234 min Scan# 1130  
Delta R.T. 0.006 min  
Lab File: VD074581.D  
Acq: 19 Oct 2022 16:17

Tgt Ion: 65 Resp: 34233  
Ion Ratio Lower Upper  
65 100  
67 57.5 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074581.D

Acq: 19 Oct 2022 16:17

Instrument :

MSVOA\_D

ClientSampleId :

VD1019

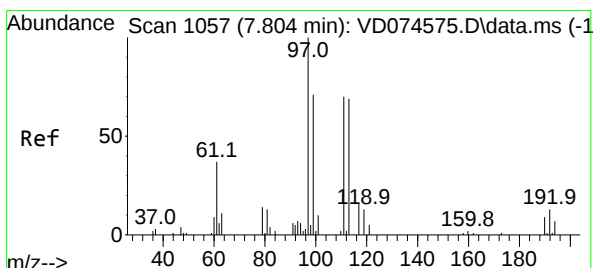
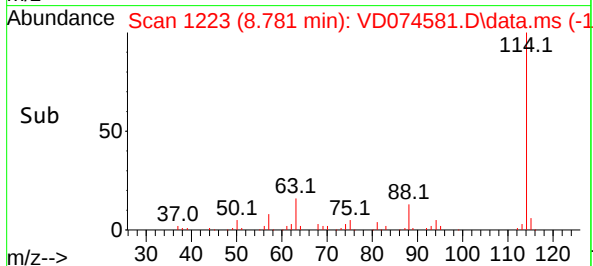
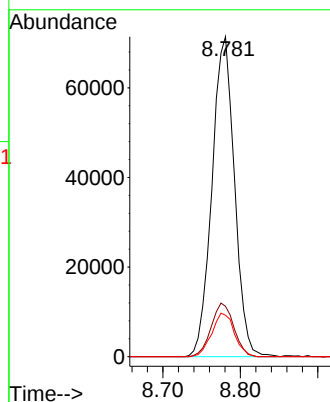
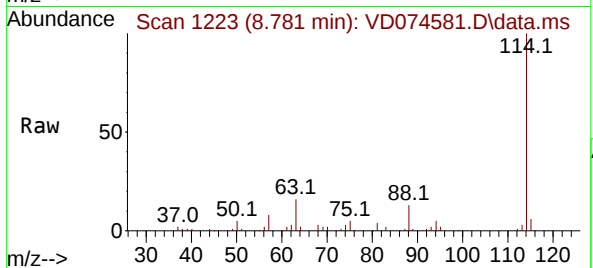
Tgt Ion:114 Resp: 144446

Ion Ratio Lower Upper

114 100

63 15.8 0.0 33.2

88 13.0 0.0 28.2



#35

Dibromofluoromethane

Concen: 52.633 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD074581.D

Acq: 19 Oct 2022 16:17

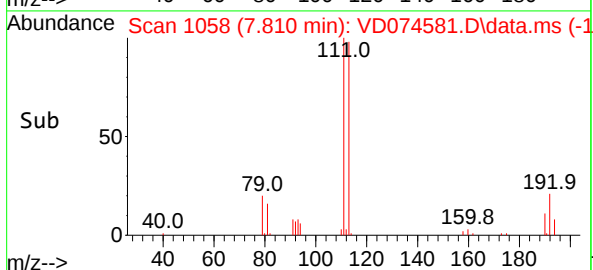
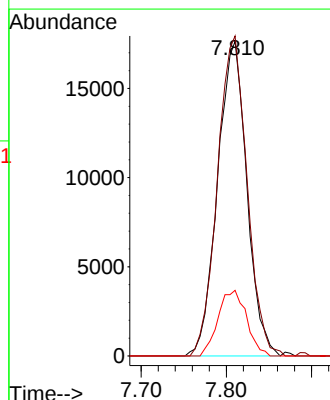
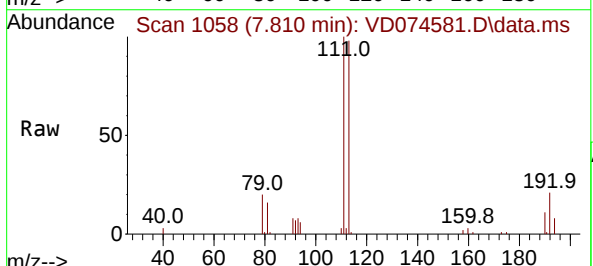
Tgt Ion:113 Resp: 42075

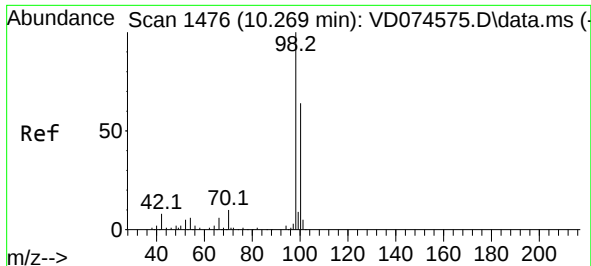
Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

192 20.3 16.4 24.6

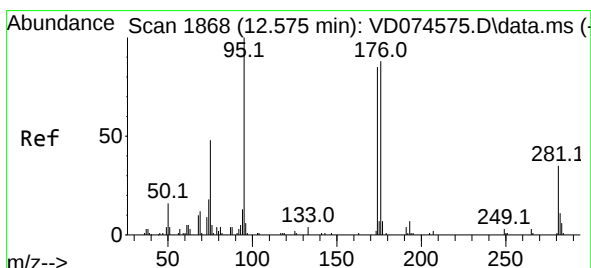
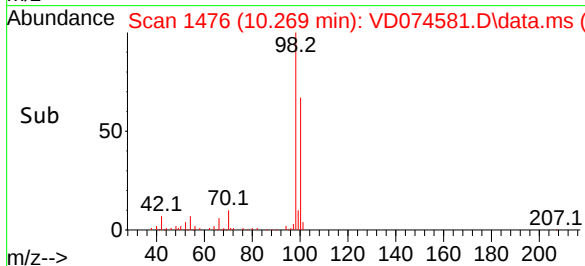
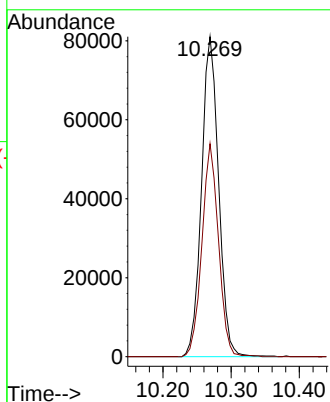
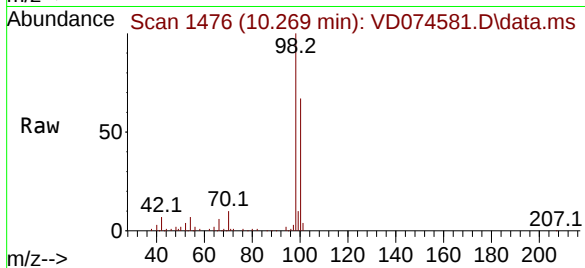




#50  
Toluene-d8  
Concen: 48.880 ug/l  
RT: 10.269 min Scan# 1476  
Delta R.T. -0.000 min  
Lab File: VD074581.D  
Acq: 19 Oct 2022 16:17

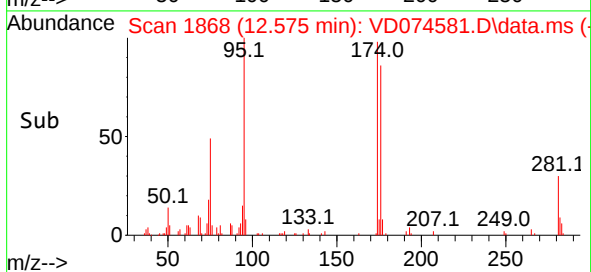
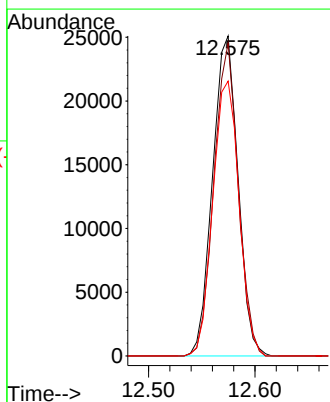
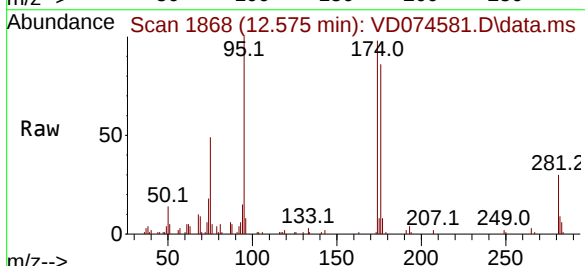
Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1019

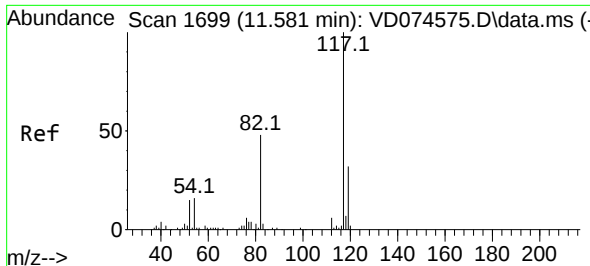
Tgt Ion: 98 Resp: 141317  
Ion Ratio Lower Upper  
98 100  
100 64.5 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 50.066 ug/l  
RT: 12.575 min Scan# 1868  
Delta R.T. 0.006 min  
Lab File: VD074581.D  
Acq: 19 Oct 2022 16:17

Tgt Ion: 95 Resp: 41639  
Ion Ratio Lower Upper  
95 100  
174 93.2 0.0 197.0  
176 88.5 0.0 182.6

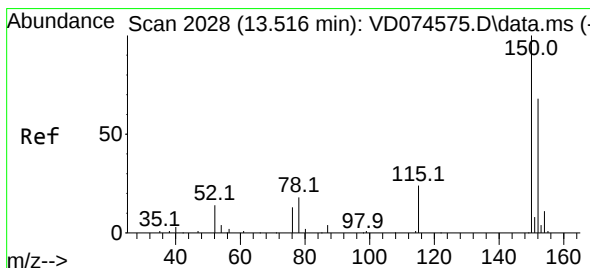
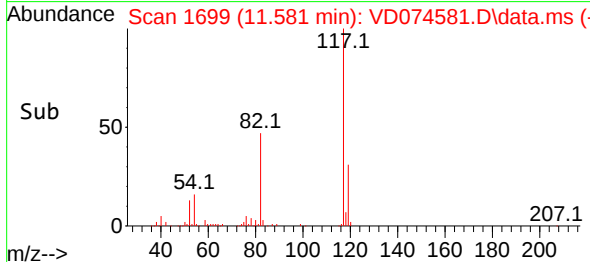
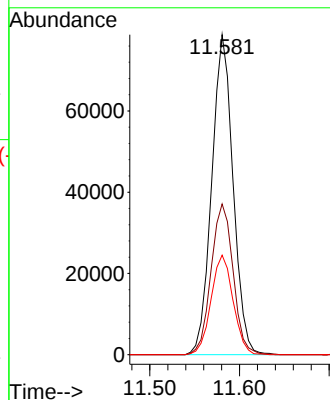
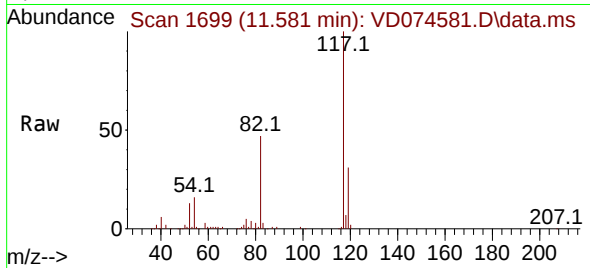




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.581 min Scan# 1699  
Delta R.T. -0.000 min  
Lab File: VD074581.D  
Acq: 19 Oct 2022 16:17

Instrument :  
MSVOA\_D  
ClientSampleId :  
VD1019

Tgt Ion:117 Resp: 130037  
Ion Ratio Lower Upper  
117 100  
82 47.1 41.6 62.4  
119 31.1 25.2 37.8



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.516 min Scan# 2028  
Delta R.T. 0.006 min  
Lab File: VD074581.D  
Acq: 19 Oct 2022 16:17

Tgt Ion:152 Resp: 57125  
Ion Ratio Lower Upper  
152 100  
115 56.3 26.8 80.4  
150 158.3 0.0 348.2

